

SOLATRON
ENTERPRISES



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ZERO DEFECT PERFORMANCE WITH ConeX, THE WIRE-TO-WIRE QUICK DISCONNECT

Single contact-point reliability, quick disconnect flexibility, and rugged construction simplicity combine in the Solatron ConeX to give circuit designers and packaging engineers an entirely new concept in miniature wire connectors. Three possible failure points, inherent in all conventional connectors, are reduced to one solid wire-to-wire connection area that weathers the most hostile environment.

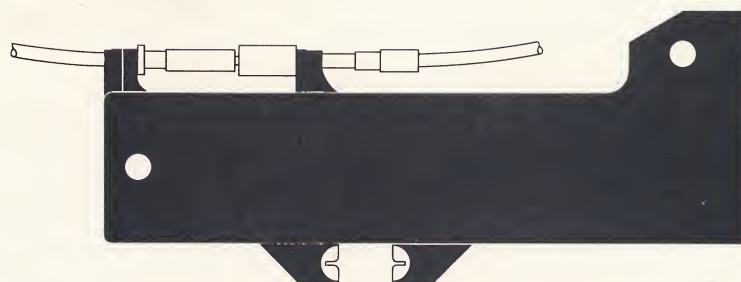
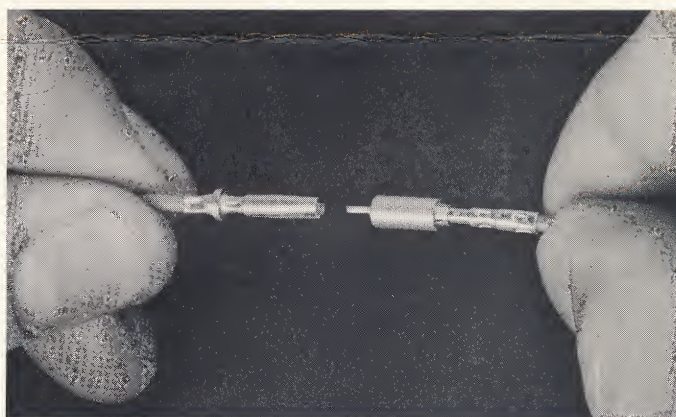
This gives a ConeX connection a reliability factor three times that of a pin and socket connection, while the electrical conductivity of the contact is actually superior to that of an equivalent length of wire. Yet the ConeX may be connected and disconnected any number of times without appreciable loss of electrical characteristics or reliability.

ConeX requires no soldering, welding, retention clips, or other mechanism to add weight and complexity to a circuit. Wires may be joined at any point in the circuit with a simple hand operation. ConeX works equally well with solid or twisted wire.

The Solatron ConeX consists of a collet and sleeve. Wires are hand inserted through each. A hand swaging tool locks the overlapping wire ends into one forged section.

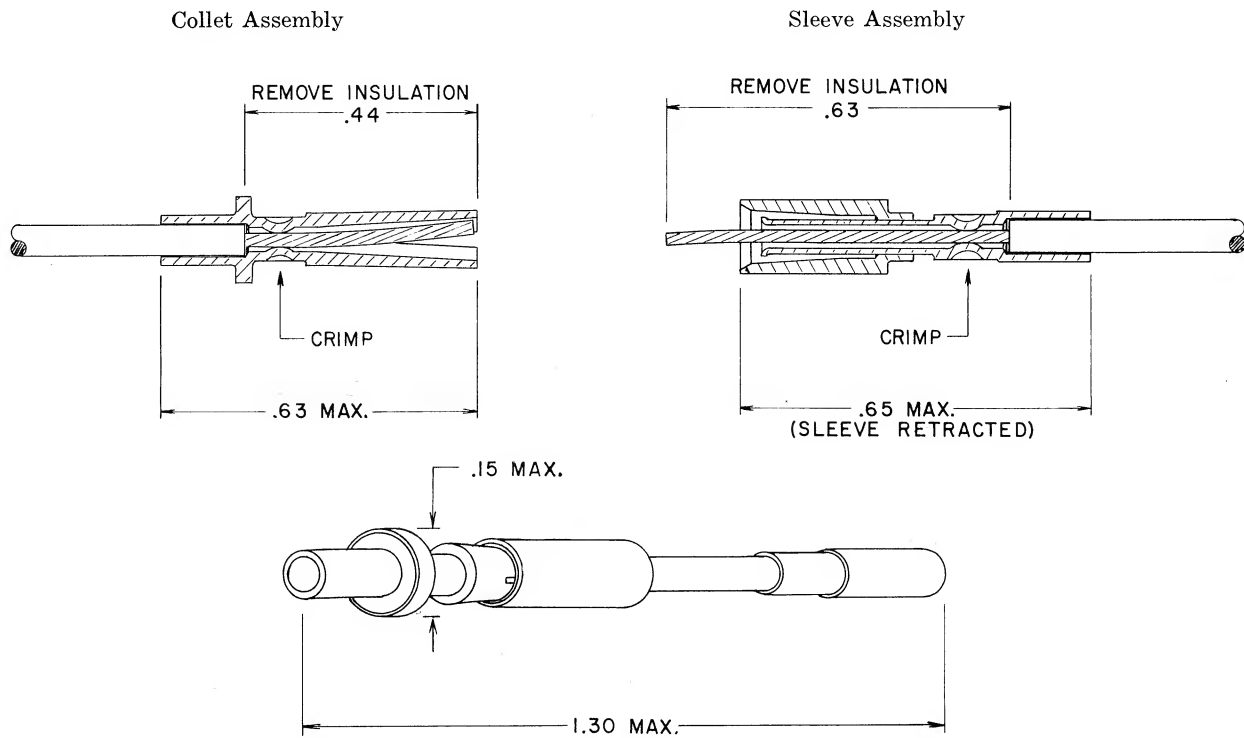
Disconnects and subsequent connections are equally as simple.

ConeX represents a step in connector evolution well in advance of the latest conventional connectors. Yet its simplicity and absolute reliability demand consideration when circuit function must not be compromised.



Please refer to this item as the Solatron Connector. We have been notified that ConeX is a registered trademark. Corrected data sheet will be sent to you shortly.

SPECIFICATIONS: #20 ConeX CONNECTOR



Part Number	Assembly Description	Wire Size	Maximum Insulation	Wire Stripping Length $\pm .010$
1327-20	Collet	20	.076	.44
1328-20	Sleeve	20	.076	.63
1327-22	Collet	22	.065	.44
1328-22	Sleeve	22	.065	.63
1327-24	Collet	24	.053	.44
1328-24	Sleeve	24	.053	.63

Notes:

- Connector can be crimped to wire using Solatron tool number 1560.
Crimping is done to facilitate assembly but is not essential to a sound joint.
- Connect and disconnect is also done with Solatron tool number 1560.
- Connector will join either solid or twisted wire. Superior life can be obtained with twisted wire if the wire ends are tinned before connecting.
- Connectors are gold plated per MIL-G-45204, type II, class 1.
- Assembled connector may be insulated using $\frac{5}{32}$ dia. shrink sleeving.
High temperature (250°C.) insulation sleeving is available through Solatron.
- ConeX Connectors are also available in other sizes and configurations.